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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/876,252

DATE: 12/07/2001

TIME: 16:39:27

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3 <110> APPLICANT: Behan, Dominic P.
4 Lehmann-Bruinsma, Karin
5 Chalmers, Derek T.
6 Lowitz, Kevin P.
7 Lin, I-Lin
8 Dang, Huong T.
9 Chen, Ruoping
10 Liaw, Chen W.
12 <120> TITLE OF INVENTION: Non-Endogenous Constitively Activated Human G Protein
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14 <130> FILE REFERENCE: AREN-0054
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17 <141> CURRENT FILING DATE: 2001-06-07
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123 agtccattgc ttagatatag ttttgaaacc atggctccca ctggtttgag ttcttgacc      180
125 gtgaatagta cagctgtgcc cacaacacca gcagcattta agagcctaaa cttgcctctt      240
127 cagatcacc cttctgctat aatgatattc attctgtttg tgtcttttct tgggaacttg      300
129 gttgtttgcc tcatggttta caaaaagct gccatgaggt ctgcaattaa catcctcctt      360
131 gccagcctag cttttgcaga catgttgctt gcagtgtga acatgccctt tgccctggta      420
133 actattctta ctaccgatg gatttttggg aaattcttct gtagggtatc tgctatgttt      480
135 ttctggttat ttgtgataga aggagtagcc atcctgtcct cattagcat agataggttc      540
137 cttattatag tccagaggca ggataagcta aacctatata gagctaaggt tctgattgca      600
139 gtttcttggg caacttcctt ttgtgtagct tttcctttag ccgtaggaaa ccccgacctg      660
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175 Pro Pro Phe Gln His Pro Asp Leu Ser Pro Leu Leu Arg Tyr Ser Phe
176 35 40 45
178 Glu Thr Met Ala Pro Thr Gly Leu Ser Ser Leu Thr Val Asn Ser Thr
179 50 55 60
181 Ala Val Pro Thr Thr Pro Ala Ala Phe Lys Ser Leu Asn Leu Pro Leu
182 65 70 75 80
184 Gln Ile Thr Leu Ser Ala Ile Met Ile Phe Ile Leu Phe Val Ser Phe
185 85 90 95
187 Leu Gly Asn Leu Val Val Cys Leu Met Val Tyr Gln Lys Ala Ala Met
188 100 105 110
190 Arg Ser Ala Ile Asn Ile Leu Leu Ala Ser Leu Ala Phe Ala Asp Met
191 115 120 125
193 Leu Leu Ala Val Leu Asn Met Pro Phe Ala Leu Val Thr Ile Leu Thr
194 130 135 140
196 Thr Arg Trp Ile Phe Gly Lys Phe Phe Cys Arg Val Ser Ala Met Phe
197 145 150 155 160
199 Phe Trp Leu Phe Val Ile Glu Gly Val Ala Ile Leu Leu Ile Ile Ser
200 165 170 175
202 Ile Asp Arg Phe Leu Ile Ile Val Gln Arg Gln Asp Lys Leu Asn Pro
203 180 185 190
205 Tyr Arg Ala Lys Val Leu Ile Ala Val Ser Trp Ala Thr Ser Phe Cys
206 195 200 205
208 Val Ala Phe Pro Leu Ala Val Gly Asn Pro Asp Leu Gln Ile Pro Ser
209 210 215 220
211 Arg Ala Pro Gln Cys Val Phe Gly Tyr Thr Thr Asn Pro Gly Tyr Gln
212 225 230 235 240
214 Ala Tyr Val Ile Leu Ile Ser Leu Ile Ser Phe Phe Ile Pro Phe Leu
215 245 250 255
217 Val Ile Leu Tyr Ser Phe Met Gly Ile Leu Asn Thr Leu Arg His Asn
218 260 265 270
220 Ala Leu Arg Ile His Ser Tyr Pro Glu Gly Ile Cys Leu Ser Gln Ala
221 275 280 285
223 Ser Lys Leu Gly Leu Met Ser Leu Gln Arg Pro Phe Gln Met Ser Ile
224 290 295 300
226 Asp Met Gly Phe Lys Thr Arg Ala Phe Thr Thr Ile Leu Ile Leu Phe
227 305 310 315 320

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235 Ser Thr Trp Leu Leu Trp Leu Cys Tyr Leu Lys Ser Ala Leu Asn Pro
236          355          360          365
238 Leu Ile Tyr Tyr Trp Arg Ile Lys Lys Phe His Asp Ala Cys Leu Asp
239          370          375          380
241 Met Met Pro Lys Ser Phe Lys Phe Leu Pro Gln Leu Pro Gly His Thr
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260 gcgctagccc tctgggtctt cctgcgcgcg ctgcgcgtgc actcggtggt gacggtgtac      180
262 atgtgtaacc tggcgccag cgacctgctc ttcacctct cgctgcccg tctctctcc      240
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276 ctgctgcccc tggcgcggt ggtctactcg tcgggccgag tcttctggac gctggcgcg      660
278 cccgacgcca cgcagagcca gcggcgcgcg aagaccgtgc gcctcctgct ggctaacctc      720
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286 gccgagggct tccgcaacac cctgcgcggc ctgggcactc cgcaccgggc caggacctcg      960
288 gccaccaacg ggacgcgggc ggcgctcgc caatccgaaa ggtccgccgt caccaccgac      1020
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315 65                      70                      75                      80
317 Tyr Tyr Ala Leu His Trp Pro Phe Pro Asp Leu Leu Cys Gln Thr
318                      85                      90                      95
320 Thr Gly Ala Ile Phe Gln Met Asn Met Tyr Gly Ser Cys Ile Phe Leu
321                      100                      105                      110
323 Met Leu Ile Asn Val Asp Arg Tyr Ala Ala Ile Val His Pro Leu Arg
324                      115                      120                      125
326 Leu Arg His Leu Arg Arg Pro Arg Val Ala Arg Leu Leu Cys Leu Gly
327                      130                      135                      140
329 Val Trp Ala Leu Ile Leu Val Phe Ala Val Pro Ala Ala Arg Val His
330 145                      150                      155                      160
332 Arg Pro Ser Arg Cys Arg Tyr Arg Asp Leu Glu Val Arg Leu Cys Phe
333                      165                      170                      175
335 Glu Ser Phe Ser Asp Glu Leu Trp Lys Gly Arg Leu Leu Pro Leu Val
336                      180                      185                      190
338 Leu Leu Ala Glu Ala Leu Gly Phe Leu Leu Pro Leu Ala Ala Val Val
339                      195                      200                      205
341 Tyr Ser Ser Gly Arg Val Phe Trp Thr Leu Ala Arg Pro Asp Ala Thr
342                      210                      215                      220
344 Gln Ser Gln Arg Arg Arg Lys Thr Val Arg Leu Leu Leu Ala Asn Leu
345 225                      230                      235                      240
347 Val Ile Phe Leu Leu Cys Phe Val Pro Tyr Asn Ser Thr Leu Ala Val
348                      245                      250                      255
350 Tyr Gly Leu Leu Arg Ser Lys Leu Val Ala Ala Ser Val Pro Ala Arg
351                      260                      265                      270
353 Asp Arg Val Arg Gly Val Leu Met Val Met Val Leu Leu Ala Gly Ala
354                      275                      280                      285
356 Asn Cys Val Leu Asp Pro Leu Val Tyr Tyr Phe Ser Ala Glu Gly Phe
357                      290                      295                      300
359 Arg Asn Thr Leu Arg Gly Leu Gly Thr Pro His Arg Ala Arg Thr Ser
360 305                      310                      315                      320
362 Ala Thr Asn Gly Thr Arg Ala Ala Leu Ala Gln Ser Glu Arg Ser Ala
363                      325                      330                      335
365 Val Thr Thr Asp Ala Thr Arg Pro Asp Ala Ala Ser Gln Gly Leu Leu
366                      340                      345                      350
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